

**Request to Archive
With The National Centers for Environmental Information
For Real Time Mesoscale Analysis Airport Point Data
Provided by NOAA/NCEP**

2015-07-17

This information will be used by NCEI to conduct an appraisal and make a decision on the request.

1. Who is the primary point of contact for this request?

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use email

2. Name the organization or group responsible for creating the dataset.

DOC/NOAA/NWS/NCEP > National Centers for Environmental Prediction, National Weather Service, NOAA, U.S. Department of Commerce

3. Provide an overview summarizing the scope of data you want to archive. Describe the outputs, data variables, including their measurement resolution and coverage.

These are plain text files containing analysis temperature values at selected airports throughout the United States. The file was requested by the FAA; the temperature values are to be used as reported temperature where and when a temperature observation at one of the given airports is not available. The file contains the airport ICAO ID, latitude and longitude, and analysis temperature value in degrees Celsius. Since the RTMA is run on different domains for different areas (CONUS, Alaska, Hawaii, Puerto Rico and Guam), there is a different file for each domain. New files are produced hourly.

4. What is the time period covered by the dataset? (YYYY-MM-DD, YYYY-MM or YYYY)

From 2015-07-07
Ongoing as continuous updates to the data record

5. Edition or version number(s) of the dataset:

2.3.3

6. Approximate date when the dataset was or will be released to the public:

2015-07-07

7. Who are the expected users of the archived data? How will the archived data be used?

The expected users are from airlines and the FAA. The data are used in place of a temperature observation at an airport when such an observation is unavailable.

8. Has the dataset undergone user evaluation and/or an independent review process? Did NCEI participate in design reviews?

The data were evaluated by FAA personnel before being released in real time. The real-time data have been available publicly since July 7, 2015. Feedback from users at airlines and the FAA since then has been overwhelmingly positive.

9. Describe the dataset's relationship to other archived datasets, such as earlier versions or related source data. If this is a new version, how does it improve upon the previous version(s)?

The data in the text files are simply interpolated from the RTMA grid to the respective airport locations. The text files allow for quick and easy viewing by the FAA and the airlines.

10. List the input datasets and ancillary information used to produce the data.

N/A

11. List web pages and other links that provide information on the data.

See NWS Technical Implementation notice #15-135:

http://www.nws.noaa.gov/om/notification/tin15-35rtma_airport_tmp.htm

12. List the kinds of documents, metadata and code that are available for archiving. For example, data format specifications, user guides, algorithm documentation, metadata compliant with a standard such as ISO 19115, source code, platform/instrument metadata, data/process flow diagrams, etc.

1. Same as those used for current RTMA archive

13. Indicate the data file format(s).

1. TXT

14. Are the data files compressed?

No

15. Provide details on how the files are named and how they are organized (e.g., file_name_pattern_YYYYMM.tar in monthly aggregations).

Files are text files and should be self-explanatory once opened.

File names are:

akrtma.FAA_T_stn_analysis_values.txt for airports in AK
gurtma.FAA_T_stn_analysis_values.txt for airport in Guam
prrtma.FAA_T_stn_analysis_values.txt for airports in Puerto Rico
hirtma.FAA_T_stn_analysis_values.txt for airports in Hawaii
rtma2p5.FAA_T_stn_analysis_values.txt for airports in CONUS

16. Explain how to access sample data files and/or a file listing for previewing. If it is not available now, when will it be available?

Real time files are available now at http://nomads.ncep.noaa.gov/pub/data/nccf/com/rtma/prod/airport_temps/

17. What is the total data volume to be submitted?

Historic Data: all historic data or data submitted as a completed collection.

Total Data Volume: 5MB

Number of Data Files: 1200

Continuous Data: data volume rate for a continuous data production.

Total Data Volume Rate: 420KB per Day

Data File Frequency: 24 per Day
Data Production Start: 2015-07-07

18. Are later updates, revisions or replacement files anticipated? If so, explain the conditions for submitting these additional data to the archive.

We may at one point start producing similar files for other variables (ceiling, dew point, winds). Those files, if and when produced, would likely be placed on the same server

19. Describe the server that will connect to the ingest server at NCEI for submitting the data.

Physical Location: College Park, MD
System Name: NCEP NOMADS server
System Owner: DOC/NOAA/NWS/NCEP > National Centers for Environmental
Prediction, National Weather Service, NOAA, U.S. Department of
Commerce
Additional Information: nomads.ncep.noaa.gov

20. What are the possible methods for submitting the data to NCEI? Select all that apply.

1. FTP PULL
2. FTP PUSH
3. SFTP PUSH

21. Identify how you would like NCEI to distribute the data. Web access support depends on the resources available for the dataset.

1. Unknown

22. Will there be any distribution, usage, or other restrictions that apply to the data in the archive?

No known constraints apply to the data.

23. Discuss the rationale for archiving the dataset and the anticipated benefits. Mention any risks associated with not archiving the dataset at NCEI.

FAA requested that the dataset be archived.

24. Are the data archived at another facility or are there plans to do so? Please explain.

The dataset is also archived at NCEP for 2 years using our HPSS tape storage system. However this system is not publicly accessible.

25. Is there an existing agreement or requirement driving this request to archive? Have you already contacted someone at NCEI?

These files are considered part of the operational RTMA, and agreements to archive RTMA data would apply here.

26. Do you have a data management plan for your data?

No

27. Have funds been allocated to archive the data at NCEI?

No

28. Identify the affiliated research project, its sponsor, and any project/grant ID as applicable.

N/A

29. Is there a desired deadline for NCEI to archive and provide access to the data?

No deadlines for archive or access.

30. Add any other pertinent information for this request.

None